

# Eastern Arizona Amateur Radio Society

EST. 1974

[www.eaars.com](http://www.eaars.com)

INC.

[facebook.com/groups/eaars](https://facebook.com/groups/eaars)

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



*November, 2018*

## JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.com/groups/eaars** and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



## EAARS Open Repeaters

**PL 141.3** unless noted otherwise

**Echolink:** 614350 **IRLP:** 7787

**Heliograph Peak at Safford, AZ:**

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

**Jacks Peak at Silver City, NM:**

145.210 Linked

**West Peak at Ft Thomas, AZ:**

145.350 Access to link to network

**Pinal Peak at Globe, AZ:**

145.410 Linked

**South Mt at Alpine, AZ:**

145.270 Linked

**Caballo Mt at TorC, NM:**

145.470 Linked

**Greens Peak at Show Low, AZ**

146.700 Linked

**Little Florida at Deming, NM:**

147.060 Linked

**Mule Mt at Bisbee, AZ:**

147.080 Linked

**Mt Lemmon at Tucson, AZ**

147.160 Linked

**Guthrie Peak at Clifton, AZ:**

147.280 Linked

# Gals on the Air!

**EST. June 2015**

Calling all Gals of any class ... Join us every Monday night for the  
**Gals Night Net @ 7:30 pm (AZ) on the EAARS system!**

## Upcoming Events

*Would You like to see your event posted for the membership to see?  
Email your information to [emberfire@cox.net](mailto:emberfire@cox.net).*

Nov 3... CARA Swap Fest @ Green Acres, Sierra Vista  
Nov 10... Alzheimer's Walk - Angie N7EMB  
Nov 10... Colossal-Vail 50/50 - Greg KC6ZGG  
Nov 10... Ovarik Hamfest OEM Comm Demo - Jim K7ADW  
Nov 17... El Tour de Tucson - Cary WB2BSJ  
Dec 1... Sierra Vista Christmas Parade - Bob N7INK  
Dec 2... Vail Mountain Bike Event - Greg KC6ZGG  
Dec 8... Tucson Mountain - Mike W7LJ

Apr 27, 2019 . Tucson Ham Picnic - Angie 7NEMB, Chris N7JND, Don KD7UIZ

Did you know that you can see the Public Service Opportunities on [soazhamservice.net](http://soazhamservice.net)? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.

### WEEKLY EAARS' NETS

**Every day:**

*Down Under Net - 4:15 am*

*Weather Net - 5:30 am*

*NTS Traffic Net - 6:30 pm*

**Sunday:**

*EAARS Net - 7:00 pm*

**Monday:**

*Gals Night Net - 7:30 pm*

**Wednesday:**

*Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,  
Off Season, every second Wednesday of month at 7:30 pm*

**Saturday:**

*ERC (Emergency Response Communications) Net -8:45 am ,  
2nd Saturday of the month (20-25 min duration)*



# EAARS Officers and Staff

## Board Officers

President	Dave Wells	N7AM
Vice President	Dan Quaintance	AF7EF
Secretary/Treasurer	Larry Griggs	N5BG

## Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

## Net Control Operators

Rick W8YBM	1st Sunday
Angie N7EMB	2nd Sunday
Mike W7IJ	3rd Sunday
Chris N7JND	4th Sunday

## Next EAARS Meeting November 20, 2018 Search and Rescue @ Thatcher

RST and Laurel VEC have teamed together to bring to Tucson the first 'FEE FREE' Amateur Radio Testing Service in AZ. RST has been offering FREE exams and fast licensing service since 2012.

If you are looking to get your Technician License or upgrade, no more excuses! It's FREE! So start studying and we will see you at the next test session!

All testing dates are on a Monday at 7:00 pm @  
Hardesty Mid-Town Police Building  
1100 S Alvernon, Tucson 85711

November 12, 2018  
December 10, 2018

**GOOD LUCK! Hear You on the Air!**

# New EAARS Members!

☆  
welcome

**Rick**      **K7RIX**  
**Roger**    **KJ7AXR**  
**Doug**     **K5SED**  
**Gary**      **KJ7AXU**

**totally**  
**awesome**

## Did You Know Tucson Has A 10-Meter FM Repeater?

For those who did not know, Tucson is lucky enough to have a fully operational 10 Meter FM repeater. When 10 meters is open, this repeater is booming with contacts from all over the place. The transmitter is located on top of the Catalina Mountains near Mt Lemmon. There are two voted receivers located on each end of Tucson. Whether you are in Tucson or New York, give it a try.

**Callsign: K7RST**  
**Output: 29.640**  
**Input: 29.540**  
**Tone: 110.9**  
**Mode: FM**

**Have Fun with 10**





# EAARS Dues Renewal Notice

Greetings to EAARS members:

We wish to thank everyone for their continued support of the club. We cannot continue to do what we do without the support of you members. EAARS membership dues run on a calendar year basis. IE January – December. Dues continue to be \$24.00 per year.

We desire to collect dues in a timely manner. Therefore each year we have a campaign that if dues for the following year are received by **December 15th** of this year, you will be entered into a drawing for a gift certificate to Ham Radio Outlet. The drawing will be held at our January 2019 membership meeting. You **DO NOT** have to be present to win. Everyone paying their 2019 membership dues by December 15th 2018, will be entered into this drawing. Yes, this is an incentive to pay your dues in a timely manner. This helps the club administratively. Thank you all for your understanding, and good luck.

**NOTE:** we have included members from 2017 in this email, that had not renewed their 2018 dues, and hopefully will consider renewing for 2019. Thank you all for your support.

There are several way that you can pay your EAARS membership dues.

1. Bring cash or check to our next EAARS meeting to be held on Tuesday, November 20th at Search & Rescued building in Thatcher. Start 6:30 pm
2. Write a check and mail it in made payable to EAARS or spell it out: Eastern Arizona Amateur Radio Society. Make sure to put your CALLSIGN on the check, or a note along with your check. We keep our club data base by callsign.
3. Pay via PAYPAL. There is a \$2.00 fee to cover the transaction costs. IE \$26.00 will be charged. This is most convenient to many members.

To pay by PAYPAL: go to the link below, which will take you to the pay pal page on EAARS web site. Be sure to enter your callsign and name in the lower left corner of the page. Then just click on BUY NOW. Very convenient for you and EAARS. [www.eaars.com/pay](http://www.eaars.com/pay)

Mailing Address: EAARS. PO Box 398, Solomon, AZ 85551

Again we wish to say thank you all for your continued support of the EAARS club!

73 for now. Larry N5BG EAARS Secy/Treasurer

# K7RST Winter Field Day - January 26-27

## Reminder from Joe K3TYE

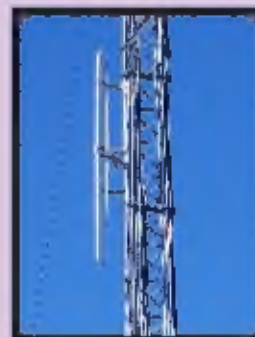
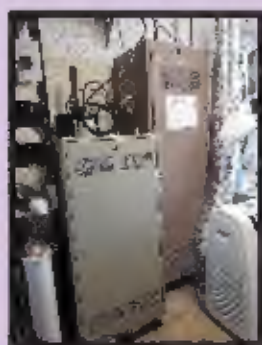
Please do not forget that RST has cabins rented for the 2019 Winter Field Day event. The cabins are located at Camp Lawton just below the radio towers on Mount Bigalow. The cabins are heated and come with an outdoor gas and electric kitchen. Sorry, no adult beverages or smoking as the camp will also be occupied with boy scouts, cub scouts, and parents.

**When:** Winter Field Day runs for 24 hours during the last full weekend in January each year from 1900 UTC (2pm EST) Saturday to 1900 UTC (2pm EST) Sunday. For 2019, the dates are January 26th and 27th. Station set-up may commence no earlier than 1900 UTC (2pm EST) on Friday, January 25th. Station setup may consume no more than 12 hours total. How & when you schedule/spend those 12 hours is up to you.

73 . . . Joe K3TYE

# 6 Meter Repeater

I am now broadcasting from high atop Mt. Lemmon with 90 watts, on: 53.720 Out - 52.720 In / PL 136.5. Please spread the word. We brought the 6 Meter repeater to life yesterday afternoon at 1 P.M. Hope to hear you on it soon!



73, Paul KA7LFX



## **Successful Ham Radio Contact between Students and Space Station Excites and Inspires**

ARRL - 10/24/2018



"My best day as a teacher!" That was educator Kathryn Craven's exuberant reaction following a successful October 22 ham radio contact between International Space Station (ISS) crew member Serena Auñón-Chancellor, KG5TMT, and youngsters at Ashford School in Ashford, Connecticut. ARRL Headquarters provided equipment for the Amateur Radio on the International Space Station (ARISS)-sponsored event, and several ARRL Headquarters staffers were among those assisting in setting up the station, working with teachers, students, and the media, shooting photos, and offering other support.

The entire student body of the kindergarten-through-eighth grade school in northeastern Connecticut sat in rapt attention during the event, as a dozen of their classmates spoke directly to Auñón-Chancellor, who was at the helm of NA1SS on the ISS. Using ARRL's equipment, members of the Eastern Connecticut Amateur Radio Association (ECARA) set up the Earth station (KZ1M), with technical and hands-on help from W1AW Station Manager Joe Carcia, NJ1Q, who also assisted in summoning NA1SS for the approximately 10-minute pass.

One reporter asked Carcia what was being displayed on the large screen. "I explained that the program we were using — SatPC32 — allowed us to see where the ISS is located and controlled the rotators with respect to our location," he said.

Some Ashford School students have been studying microgravity and are working on a research project that they hope will eventually be selected to be conducted on the ISS. Auñón-Chancellor, the Mission 56/57 flight surgeon, answered 16 student questions that ranged from "Do you wear sunscreen into space?" to "What is the hardest thing about having zero gravity?" and "How many flips can you do?"

Others attending on behalf of ARRL were ARRL Lifelong Learning Manager Kris Bickell, K1BIC; Lifelong Learning and Knowledge Department Administrator Ally Riedel, KM3ALF; ARRL Communications Content Producer Michelle Patnode, W3MVP, and ARRL Communications Manager David Isgur, N1RSN.

"It was great!" Patnode said afterward. "The space station responded right away, and everyone instantly got so excited."

Crews from four local television stations and print publication reporters joined an audience of more than 400.

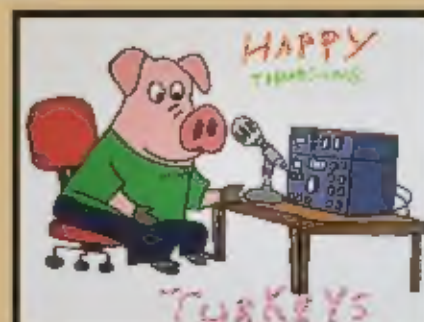
"We are so incredibly grateful to ARISS, ECARA, and ARRL for making this possible for the entire Ashford School community," a statement on the school's website said. "Our students were literally bursting with excitement at the end of the contact, and many staff members were driven to tears over the wonder they felt during this contact. We even heard many students exclaiming that they wanted to be astronauts as they headed out of the cafeteria and on to the rest of their school day. Look out universe — here comes the Mars Generation!"

EAARS Officers and Staff would  
like to wish You and Yours a....  
**Happy Thanksgiving!**

Enjoy our ham radio sense of humor!



You mean y'all  
don't set the  
Thanksgiving  
table with a radio  
on it? What?!





## What a Ham!

Amateur radio operators (a.k.a. ham radio operators) enjoy communicating with people all over the world. Many of them use Morse code when they transmit messages. Other operators use a microphone. They can send messages during natural disasters when phones, computers, and cell phones do not work.

Find and circle the amateur radio related words in the puzzle. Words may be forwards, backwards, up, down, or diagonal.

### Word Box

frequency	megahertz	call sign	voltmeter	QSL card
radio	hobby	worldwide	transmitter	receiver
antenna	Morse code	keyer	power supply	filter
repeater	modulation	microphone	signal	operator
station	tuner	ham		

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q p e h m e g a h e r t z n w e b f
w a v k i r e c e i e v e r o d a r
p i l g e i r l e a v n n i r o s e
v g n c s y t t n r h o b b y c o p
h n o l a m e y e k e i h a d e x e
l a i a e r e r e v c t p t w a d a
v l d t p t d n o i t a t s o r y t
o e a e n i e z l q r l r h r o t e
l r r a f r f e n u t u c y l m o r
t r a n s m i t t e r d i c d c p n
m n j t z n l r p s d o m n w t e g
e h a e r v t t a h a m g e i n r i
t p d n m l e q d d c y l u d j a s
e r e n u t r i g p i c v q e c t l
r l p a u s r e w o p o b e p o o l
k e n o h p o r c i m j b r j k r a
g a z w k a w x n a s k f c q f c
p o w e r s u p p l y h x d b k p i

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Cooking up  
Some Magic



## Old-Fashioned Apple Crisp

### Ingredients

5 pounds McIntosh or Macoun apples  
Grated zest of 1 orange  
Grated zest of 1 lemon  
2 tablespoons freshly squeezed orange juice  
2 tablespoons freshly squeezed lemon juice  
1/2 cup granulated sugar  
2 teaspoons ground cinnamon  
1 teaspoon ground nutmeg

### For the topping:

1 1/2 cups flour  
3/4 cup granulated sugar  
3/4 cup light brown sugar, packed  
1/2 teaspoon kosher salt  
1 cup oatmeal  
1/2 pound cold unsalted butter,  
diced

1. Preheat the oven to 350 degrees F. Butter a 9 by 14 by 2-inch oval baking dish.
2. Peel, core, and cut the apples into large wedges. Combine the apples with the zests, juices, sugar, and spices. Pour into the dish.
3. To make the topping, combine the flour, sugars, salt, oatmeal, and cold butter in the bowl of an electric mixer fitted with the paddle attachment. Mix on low speed until the mixture is crumbly and the butter is the size of peas. Scatter evenly over the apples.
4. Place the crisp on a sheet pan and bake for 1 hour until the top is brown and the apples are bubbly. Serve warm.

kiss the  
cook